



May 12, 2016

**By eFile**

Marlene H. Dortch  
Secretary  
Federal Communications Commission  
445 12<sup>th</sup> Street, SW  
Washington, D.C. 20554

Re: Application for Authority to Operate EchoStar-1 as an In-orbit Spare  
IBFS File Nos. SAT-LOA-20150512-00034  
Call Sign S2943 (formerly, S2739)

Dear Ms. Dortch:

EchoStar Satellite Operating Corporation (“EchoStar”) submits this supplemental letter to clarify the technical information set forth in Table 9-1 of the Technical Annex of the above-referenced application for authority to operate the EchoStar-1 (Call Sign S2943) satellite as in-orbit spare at 77.25° W.L.

Specifically, EchoStar revises Table 9-1 by (i) specifying the maximum downlink EIRP without reference to specific frequencies; and (ii) correcting a typographical error regarding the uplink polarization, as follows:

**Table 9-1: Summary of the TT&C Subsystem Performance**

<b>Parameter</b>	<b>Performance</b>
On-Station Command Frequency	5926.5 MHz (horn antenna) 6423.5 MHz (omni antenna)
Uplink Flux Density	Between -80 and -96 dBW/m <sup>2</sup>
Uplink Tx Earth Station Polarization	Horizontal Linear
On-Station Telemetry Frequencies	4198.5 MHz 4199.5 MHz
Maximum Downlink EIRP	10.6 dBW (horn antenna) 8.9 dBW (omni antenna)
Downlink Polarization	Horizontal Linear

May 12, 2016  
Page 2

Please direct any questions regarding this matter to the undersigned.

Sincerely,

/s/ Jennifer A. Manner  
Jennifer A. Manner  
Senior Vice President, Regulatory Affairs

cc: Diane Garfield (FCC)